

IN THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) Method for fractional crystallisation of an at most partially solidified molten metal, comprising:

~~-in which~~ dividing a layer of at most partially solidified molten metal having an upper surface and a lower surface ~~is divided~~ into a series of compartments communicating with each other, ~~in which~~

wherein the metal is stirred in at least some of the compartments, and ~~in which~~
wherein crystals formed and/or existing in the layer of metal are selectively transported in a predetermined direction and molten metal is selectively transported in the opposite direction.

2. (Currently Amended) Method according to claim 1, ~~in which~~ wherein a temperature difference is present over the length of the layer of metal, the higher temperature being present at the end of the metal layer to which the crystals are transported.

3. (Currently Amended) Method according to claim 1 ~~or 2~~, ~~in which~~ wherein the compartments in the layer of metal are formed by compartment walls ~~that are~~ present in pairs, the compartment walls of each pair being preferably placed adjacent to each other, one wall extending towards and adjacent to the lower surface of the layer of metal and the

other wall extending from the lower surface of the layer of metal towards the upper surface of the layer of metal.

4. (Currently Amended) Method according to claim 1 or 2, ~~in which~~ wherein the compartments in the layer of metal are formed by compartment walls ~~that are~~ present in pairs, ~~the compartment walls of each pair being preferably placed adjacent to each other~~, one wall extending from the upper surface of the layer of metal towards the lower surface of the layer of metal and the other wall extending towards and adjacent to the upper surface of the layer of metal.

5. (Currently Amended) Method according to claim 1 or 2, ~~in which~~ wherein a layer of transporting liquid is present below and/or above the layer of metal to selectively transport the crystals, and ~~in which~~ the compartments in the layer of metal are formed by compartment walls extending towards and adjacent to the layer of transporting liquid transporting the crystals, ~~preferably the transporting liquid being a molten salt~~.

6. (Currently Amended) Method according to claim 1 or 2, ~~in which~~ wherein the layer of metal is present in a chamber having an inclined bottom, and ~~in which~~ the compartments in the layer of metal are formed by compartment walls extending towards and adjacent to the bottom of the chamber.

7. (Currently Amended) Method according to claim 1 or 2, ~~in which~~ wherein the layer of metal is present in a chamber having an inclined upper wall, and ~~in which~~ the compartments in the layer of metal are formed by compartment walls extending towards and adjacent to the upper wall of the chamber.

8. (Currently Amended) Method according to ~~any one of the claims 3-7~~ claim 3, ~~in which~~ wherein the compartment walls are adjustable such that the ends of the compartment walls are placed nearer to or further from the surface of the layer of metal they extend towards.

9. (Currently Amended) Method according to ~~any one of the preceding claims~~ claim 1, ~~in which~~ wherein mixing means are present to stir the metal in at least some of the compartments, the mixing velocity of the mixing means being variable.

10. (Currently Amended) Method according to ~~any one of the preceding claims~~ claim 1, ~~in which~~ wherein molten metal and/or crystals are removed at the end of the layer of metal towards which the crystals are selectively transported.

11. (Currently Amended) Method according to ~~any one of the preceding claims~~ claim 1, ~~in which~~ wherein the metal used is aluminium.

12. (Currently Amended) Method according to claim 11, ~~for removing wherein~~
said method removes one or more of the elements Cu, Fe, Ga, Mg, Mn, B, Si, Sn, Zn, and
Ni from the aluminium.

13. (New) Method according to claim 1, wherein the compartments in the layer
of metal are formed by compartment walls present in pairs, the compartment walls of each
pair being placed adjacent to each other, one wall extending from the upper surface of the
layer of metal towards the lower surface of the layer of metal and the other wall extending
towards and adjacent to the upper surface of the layer of metal.

14. (New) Method according to claim 1, wherein a layer of transporting liquid is
present below and/or above the layer of metal to selectively transport the crystals, and the
compartments in the layer of metal are formed by compartment walls extending towards
and adjacent to the layer of transporting liquid transporting the crystals, the transporting
liquid being a molten salt.

15. (New) Method according to claim 4, wherein the compartment walls are
adjustable such that the ends of the compartment walls are placed nearer to or further from
the surface of the layer of metal they extend towards.